Sóng biển và swell toàn cầu

intl.khi-tuong-thuy-van.bien-song.waves-swell

Version NOAA GFS-Wave run 2026-11-22 12:00 UTC · Cập nhật 2026-11-22 · Chính sách cập nhật daily

ĐIỂM NỔI BẬT

SÓNG ĐÁNG KỂ TRUNG BÌNH

2.2

m

Đại dương toàn cầu · 22/11/2026 12:00 UTC

SÓNG ĐÁNG KỂ LỚN NHẤT

8.6

m

Thái Bình Dương, gần 46°N 170°W · 22/11/202...

DIỆN TÍCH CÓ SÓNG TRÊN 4 M

8

%

Đại dương toàn cầu · 22/11/2026 12:00 UTC

DỮ LIỆU

Độ cao sóng đáng kể trung bình diện tích trên đại dương — 2.2 m

Kỳ dữ liệu: 2026-11-22 12:00 UTC · Địa bàn: Đại dương toàn cầu, các ô mặt nước mở

Độ cao sóng đáng kể lớn nhất — 8.6 m

Kỳ dữ liệu: 2026-11-22 12:00 UTC · Địa bàn: Thái Bình Dương, gần 46°N 170°W

Diện tích đại dương có sóng trên 4 m — 8 %

Kỳ dữ liệu: 2026-11-22 12:00 UTC · Địa bàn: Đại dương toàn cầu, các ô mặt nước mở

NGUỒN & ĐỘ MỚI

Phiên bản: NOAA GFS-Wave run 2026-11-22 12:00 UTC
Cập nhật: 2026-11-22
Giấy phép: Không ghi nhận

National Data Buoy Center, NOAA — NDBC Station Page — Station 46059
https://www.ndbc.noaa.gov/station_page.php?station=46059&tz=JST&unit=M

Kenya Meteorological Service — 7-Day Marine Forecast for the Kenya Coast and Offshore Areas, 8–14 November 2026
https://meteo.go.ke/documents/5574/Seven_Day_Marine_Forecast_valid_8th_to_14th_November_2026.pdf

NOAA National Data Buoy Center — NDBC Station 46072
https://www.ndbc.noaa.gov/station_page.php?station=46072

NOAA National Data Buoy Center — NDBC Station 46246
https://www.ndbc.noaa.gov/station_page.php?station=46246

NOAA National Data Buoy Center — NDBC Station 44011
https://www.ndbc.noaa.gov/station_page.php?station=44011

Surfbase — Worldwide Surf Forecasts; snapshot toàn cầu ngày 04/10/2026
https://surfbase.org/

Copernicus Marine Service — Global Ocean Waves Reanalysis
https://data.marine.copernicus.eu/product/GLOBAL_MULTIYEAR_WAV_001_032/description

Mercator Ocean International / Copernicus Marine Service — Product User Manual for GLOBAL_MULTIYEAR_WAV_001_032
https://documentation.marine.copernicus.eu/PUM/CMEMS-GLO-PUM-001-032.pdf

Surfbase — Forecast Methodology & Data Sources
https://surfbase.org/data-sources/

Open-Meteo — Marine Weather API documentation
https://open-meteo.com/en/docs/marine-weather-api

Copernicus Marine Service — Global Ocean Waves Analysis and Forecast — data access and temporal extent
https://data.marine.copernicus.eu/product/GLOBAL_ANALYSISFORECAST_WAV_001_027/services

Voyaggora; dữ liệu mô hình NOAA/National Weather Service GFS-Wave — Surf and wave conditions today — bảng 30 bờ biển, valid 11 Nov 2026 23:00 UTC
https://noaa-gfs-bdp-pds.s3.amazonaws.com/gfs.20261111/18/wave/gridded/gfswave.t18z.global.0p25.f005.grib2

Malaysian Meteorological Department (METMalaysia) — Marine Forecast for Shipping - Phuket
https://www.met.gov.my/en/forecast/marine/shipping/Sh001/

Phuket Travels — Phuket today: sea, weather, air and what's open
https://phukettravels.com/today

NOAA / National Weather Service Ocean Prediction Center — North Atlantic High Seas Forecast

https://ocean.weather.gov/shtml/NFDHSFAT1.php

NOAA National Data Buoy Center — Station 41122 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=41122

NOAA National Data Buoy Center — Station 42012 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=42012

NOAA National Data Buoy Center — Station 41041 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=41041

NOAA National Data Buoy Center — Station 42035 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=42035

NOAA National Data Buoy Center — Station 44095 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=44095

NOAA National Data Buoy Center — Station 46221 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=46221

Copernicus Marine Service — Global Ocean L4 Significant Wave Height From NRT Satellite Measurements
https://data.marine.copernicus.eu/product/WAVE_GLO_PHY_SWH_L4_NRT_014_003/services

NOAA National Data Buoy Center — Station 46268 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=46268

NOAA / National Weather Service Ocean Prediction Center — North Pacific High Seas Forecast
https://ocean.weather.gov/shtml/NFDHSFEP1.php

NOAA National Data Buoy Center — Station 41013 Recent Data and Wave Summary
https://www.ndbc.noaa.gov/station_page.php?station=41013

US Harbors — Frying Pan Shoals buoy data
https://www.usharbors.com/harbor/north-carolina/frying-pan-shoals-nc/weather/

NOAA National Hurricane Center — High Seas Forecast (Tropical Atlantic)
https://prod-east-nhc.woc.noaa.gov/text/MIAHSFAT2.shtml

NOAA / National Weather Service National Hurricane Center — High Seas Forecast — Tropical Northeast Pacific
https://prod-west-nhc.woc.noaa.gov/text/MIAHSFEP2.shtml

NOAA/NCEP Environmental Modeling Center — EMC Global Wave Models
https://www.emc.ncep.noaa.gov/emc/pages/numerical_forecast_systems/wavemodels.php

Live World Oceans; mô hình nguồn NOAA/NWS/NCEP — Wave height map: ocean waves today
https://polar.ncep.noaa.gov/waves/

NOAA National Data Buoy Center — Station 46026 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=46026

NOAA National Data Buoy Center — Station 46256 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=46256

NOAA National Data Buoy Center — Station 44099 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=44099

NOAA National Data Buoy Center — Station 44097 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=44097

NOAA Ocean Prediction Center / National Hurricane Center — Pacific High Seas Forecast (HSFEP1)
https://ocean.weather.gov/mobile/mobile_product.php?id=NFDHSFEP1

NOAA — Forecasts and Predictions
https://marinenavigation.noaa.gov/forecasts.html

NOAA National Hurricane Center — Atlantic Tropical Weather Discussion
https://www.nhc.noaa.gov/text/refresh/MIATWDAT+shtml/260014_MIATWDAT.shtml

NOAA National Data Buoy Center — Station 46042 Recent Data
https://www.ndbc.noaa.gov/station_page.php?station=46042

Korea Institute of Ocean Science and Technology (KIOST), Ocean Climate Prediction Center — Mean Wave Period Analysis Information
https://oceanclimate.kr/mwp_en/

Korea Institute of Ocean Science and Technology (KIOST), Ocean Climate Prediction Center — Ocean Climate Seasonal Prediction
https://www.ocpc.kr/prediction

Copernicus Marine Service — Global Ocean Waves Analysis and Forecast
https://data.marine.copernicus.eu/product/GLOBAL_ANALYSISFORECAST_WAV_001_027/description?option=-&product_id=-&task=results&view=-

Ocean Climate Information — Significant Wave Height Analysis Information
https://oceanclimate.kr/swh_en/

NOAA/NWS Ocean Prediction Center — Pacific Text Briefing Package — High Seas Forecast, 29/10/2026 23:45 UTC
https://ocean.weather.gov/shtml/P_brief_text.php

NOAA National Hurricane Center — Tropical Atlantic High Seas Forecast
https://ocean.weather.gov/shtml/MIAHSFAT2.php

NOAA/NWS National Hurricane Center — Tropical Northeast Pacific High Seas Forecast, 29/10/2026 22:30 UTC
https://www.nhc.noaa.gov/text/MIAHSFEP2.shtml

NOAA/NCEP NOMADS — NCEP Wave Model Forecasts — dữ liệu ngày 29/10/2026 và các biến sóng/swell
https://nomads.ncep.noaa.gov/gribfilter.php?ds=gfswave

Copernicus Marine Service — Global Ocean L4 Significant Wave Height From NRT Satellite Measurements
https://data.marine.copernicus.eu/product/WAVE_GLO_PHY_SWH_L4_NRT_014_003/description

WMO-IMO WWMIWS / India Meteorological Department — METAREA 8N bulletinset — High Seas Forecast
https://wwmiws.wmo.int/index.php/metareas/bulletinset/8N/html

Kenya Meteorological Department — 7-Day Marine Forecast valid 6th to 12th November 2026
https://meteo.go.ke/documents/5567/Seven_Day_Marine_Forecast_Valid_6th_November_2026_to_12th_November_2026.pdf

NOAA/NWS/NCEP — EMC Operational Wave Product Table
https://polar.ncep.noaa.gov/waves/product_table.shtml

Copernicus Marine Service — Global Ocean Waves Analysis and Forecast
https://data.marine.copernicus.eu/product/GLOBAL_ANALYSISFORECAST_WAV_001_027/description